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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/581,895	10/10/2000	Behzad Mohebbi	CE30343P	7114
23447	7590 10/06	3	EXAMINER	
MOTORO		TSE, YOUNG TOI		
	TH BEACH STREET	Angung	DARED SHILL ARED	
MAILSTOI		ART UNIT	PAPER NUMBER	
FORT WO	RTH, TX 76137	2634	**************************************	
			DATE MAILED: 10/06/2003	7

Please find below and/or attached an Office communication concerning this application or proceeding.

	Annilo Alon No	Applicant(a)			
_	Application No.	Applicant(s)			
Office Action Symmony	09/581,895	MOHEBBI, BEHZAD			
Office Action Summary	Examiner	Art Unit			
	YOUNG T. TSE	2634			
The MAILING DATE of this communication for Reply	ation appears on the cover sheet with	n the correspondence address			
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this commun - If the period for reply specified above is less than thirty (30) of the priod for reply is specified above, the maximum statut - Failure to reply within the set or extended period for reply will - Any reply received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b).	ATION. 37 CFR 1.136(a). In no event, however, may a rejication. days, a reply within the statutory minimum of thirty ory period will apply and will expire SIX (6) MONT I, by statute, cause the application to become ABA	ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).			
Status	L 40 O-4-6 0000				
1) Responsive to communication(s) filed					
,—	This action is non-final.				
 Since this application is in condition for closed in accordance with the practice Disposition of Claims 					
4)⊠ Claim(s) <u>1-10</u> is/are pending in the ap	plication.				
4a) Of the above claim(s) is/are	withdrawn from consideration.				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-10</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction	on and/or election requirement.				
Application Papers					
9)⊠ The specification is objected to by the E	Examiner.				
10)⊠ The drawing(s) filed on 10 October 2000 is/are: a) accepted or b)⊠ objected to by the Examiner.					
Applicant may not request that any objec	- · · · · · · · · · · · · · · · · · · ·	, ,			
11)☐ The proposed drawing correction filed o		sapproved by the Examiner.			
If approved, corrected drawings are required in reply to this Office action.					
12) ☐ The oath or declaration is objected to b	y the Examiner.				
Priority under 35 U.S.C. §§ 119 and 120					
13)⊠ Acknowledgment is made of a claim fo	or foreign priority under 35 U.S.C. §	119(a)-(d) or (f).			
a)⊠ All b)□ Some * c)□ None of:					
 Certified copies of the priority do 	ocuments have been received.				
2. Certified copies of the priority do	ocuments have been received in Ap	pplication No			
3. ☑ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
14) ☐ Acknowledgment is made of a claim for	•				
a) ☐ The translation of the foreign langu 15)☐ Acknowledgment is made of a claim for	uage provisional application has be	en received.			
Attachment(s)	, , , , , , , , , , , , , , , , , , , ,	- ··			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTC 3) Information Disclosure Statement(s) (PTO-1449) Paper	0-948) 5) Notice of In	ummary (PTO-413) Paper No(s) Iformal Patent Application (PTO-152)			

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DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: the reference sign 312 shown in Fig. 3 is not mentioned in the specification. A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

2. The disclosure is objected to because of the following informalities: on page 2, line 36, "3," should be – 3; --; on page 6, lines 2 and 12, "cell 1" should be – cells 1 --; on page 7, line 37, "408" should be – 308 --; and on page 8, line 2, "401" should be – 310 --. Further, Applicant is requested to fully describe the operation of Figs. 5 and 6. Appropriate correction is required.

Claim Objections

3. Claims 8-10 are objected to because of the following informalities: in claim 8, line 6, "the said frequency" should be – the same frequency --, wherein claims 9 and 10 are depended upon claim 8. Appropriate correction is required.

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Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, line 10, the phrase "modifying the at least one frequency hopping parameter ..." is indefinite since claim 1 recites a first cell and a second cell. Also see claim 4.

In claim 8, line 7, "the calculations" lacks antecedent basis.

In claim 10, the phrase "in any one of claim 8" is not understood.

Wherein the dependent claims 2-3, 5-7 and 9 are depended upon claims 1, 4, and 8.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 7. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Dent (U.S. Patent No. 5,425,049).

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Dent discloses a communications system in Fig. 6 and Fig. 7 having a frequency hopping scheme which provides increased interferer diversity without increased system delay. The frequency hopping scheme includes providing a staggered offset period between hops of neighboring or adjacent base stations so as to create additional interference situation.

With respect to claims 1-10, in a frequency hopping system each cell can use all of the available channels, but at different times, as determined by a pseudo-random frequency hop sequence generator. Such generators can be constructed either to yield a random probability that any two cells choose to same frequency at the same time. See col. 3, lines 3-22 and col. 6, lines 15-28.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

References Desgagne et al., Hogger, and Walton et al. are related a method and apparatus for processing interference in a frequency hopping cellular communications system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Young Tse** whose telephone number is **(703) 305-4736**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Stephen Chin**, can be reached at **(703) 305-4714**.

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Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

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or faxed to:

(703) 872-9306

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

roung 7. Tse Primary Examiner